

## IN THE CLAIMS

Claim 1 (currently amended): A method ~~for catalytically oxidizing organic molecules~~ comprising:  
passing a solution containing organic molecules over a catalyst to catalyze the oxidation of  
the organic molecules ~~in the solution~~, said catalyst comprising a discrete mixture of platinum  
particles and cobalt particles.

Claim 2 (original): The method as defined in claim 1 wherein said catalyst is supported on an  
electrode.

Claim 3 (canceled)

Claim 4 (currently amended): A method ~~for catalytically oxidizing organic molecules~~ comprising:  
passing a solution containing organic molecules over an electrode to catalyze the oxidation  
of the organic molecules ~~in the solution~~, said electrode comprising a discrete mixture of platinum  
particles and cobalt particles.

Claim 5-6 (canceled)

Claim 7 (currently amended): ~~An apparatus as defined in claim 6~~ The method of claim 1 wherein  
said platinum is present in an amount within the range of about 52 to about 99 weight percent of the  
~~total weight of the composition~~ catalyst.

Claim 8 (currently amended): ~~An apparatus as defined in claim 6~~ The method of claim 1 wherein  
said cobalt is present in an amount within the range of about 48 to about 1 weight percent of the  
~~total weight of the composition~~ catalyst.

Claim 9 (currently amended): ~~An apparatus as defined in claim 6~~ The method of claim 1 wherein  
said ~~composition~~ catalyst further comprises metal oxides of said cobalt.

Claim 10 (currently amended): ~~An apparatus as defined in claim 9~~ The method of claim 9 wherein  
said metal oxides ~~of said cobalt~~ are the products of reactive electrodeposition.

Claim 11 (currently amended): ~~An apparatus as defined in claim 6~~ The method of claim 1 wherein said cobalt is present in an oxidation state of 0, 2, 8/3 or 3.

Claim 12 (currently amended): ~~An apparatus as defined in claim 6~~ The method of claim 1 wherein said ~~composition catalyst~~ further comprises Sn in an amount not greater than about 10 atom percent of the ~~total composition catalyst~~.

Claim 13 (currently amended): ~~An apparatus as defined in claim 6~~ The method of claim 1 wherein said ~~composition catalyst~~ further comprises a mixture of carbon and polytetrafluoroethylene.

Claim 14 (currently amended): ~~An apparatus as defined in claim 6~~ The method of claim 4 wherein said electrode is a metal electrode.

Claim 15 (currently amended): ~~An apparatus as defined in claim 6~~ The method of claim 4 wherein said electrode is a metal foam electrode.

Claim 16 (currently amended): ~~An apparatus as defined in claim 6~~ The method of claim 4 wherein said electrode is a graphite electrode.

Claim 17 (currently amended): ~~An apparatus as defined in claim 6~~ The method of claim 4 wherein said electrode is a porous carbon electrode.

Claim 18 (currently amended): ~~An apparatus as defined in claim 6~~ The method of claim 4 wherein said electrode is a flooded electrode.

Claim 19 (currently amended): ~~An apparatus as defined in claim 6~~ The method of claim 4 wherein said electrode is an anode in an electrochemical device.

Claim 20 (currently amended): ~~An apparatus as defined in claim 6~~ The method of claim 4 wherein said electrode is part of a fuel cell.

Claim 21 (currently amended): ~~An apparatus as defined in claim 6~~ The method of claim 4 wherein said electrode is part of a reactor used to synthesize gluconic acid.

Claim 22 (currently amended): ~~An apparatus as defined in claim 6~~ The method of claim 4 wherein said electrode is part of a glucose sensor.

Claim 23 (currently amended): ~~An electrode structure comprising:~~ The method of claim 4 wherein said electrode comprises said mixture coated on a platinum wire having a coating, said coating comprising a discrete mixture of platinum particles and cobalt particles.

Claim 24-25 (canceled)

Claim 26 (currently amended): ~~An electrode structure comprising:~~ The method of claim 4 wherein said electrode comprises a nickel current collector having a coating, said coating comprising a mixture of activated carbon, acetylene black, PTFE and a catalyst, said catalyst comprising a discrete mixture of platinum particles and said cobalt particles.

Claim 27 (currently amended): ~~The electrode structure as defined in~~ The method of claim 26 wherein said nickel current collector is comprised of nickel foam.

Claim 28 (currently amended): ~~The electrode structure as defined in~~ The method of claim 26 wherein said nickel current collector is comprised of nickel mesh.

Claim 29 (currently amended): A method ~~for catalytically oxidizing glucose~~ comprising:  
passing a solution containing glucose molecules over a catalyst to catalyze the oxidation of the glucose molecules ~~in the solution~~, said catalyst comprising a discrete mixture of platinum particles and cobalt particles.

Claim 30 (original): The method as defined in claim 29 wherein said catalyst is supported on an electrode.

Claim 31 (currently amended): A method ~~for catalytically oxidizing glucose~~ comprising:  
passing a solution containing glucose molecules over an electrode to catalyze the oxidation of the glucose molecules ~~in the solution~~, said electrode comprising a discrete mixture of platinum particles and cobalt particles.

Claim 32 (canceled)

Claim 33 (currently amended): ~~An apparatus as defined in claim 32~~ The method of claim 29 wherein said platinum is present in an amount within the range of about 52 to about 99 weight percent of the ~~total weight of the composition~~ catalyst.

Claim 34 (currently amended): ~~An apparatus as defined in claim 32~~ The method of claim 29 wherein said cobalt is present in an amount within the range of about 48 to about 1 weight percent of the ~~total weight of the composition~~ catalyst.

Claim 35 (currently amended): ~~An apparatus as defined in claim 32~~ The method of claim 29 wherein said ~~composition~~ catalyst further comprises metal oxides of said cobalt.

Claim 36 (currently amended): ~~An apparatus as defined in claim 32~~ The method of claim 35 wherein said metal oxides ~~of said cobalt~~ are the products of reactive electrodeposition.

Claim 37 (currently amended): ~~An apparatus as defined in claim 32~~ The method of claim 29 wherein said cobalt is present in an oxidation state of 0, 2, 8/3 or 3.

Claim 38 (currently amended): ~~An apparatus as defined in claim 32~~ The method of claim 29 wherein said ~~composition~~ catalyst further comprises Sn in an amount not greater than about 10 atom percent of the ~~total composition~~ catalyst.

Claim 39 (currently amended): ~~An apparatus as defined in claim 32~~ The method of claim 29 wherein said ~~composition~~ catalyst further comprises a mixture of carbon and polytetrafluoroethylene.

Claim 40 (currently amended): ~~An apparatus as defined in claim 32~~ The method of claim 31 wherein said electrode is a metal electrode.

Claim 41 (currently amended): ~~An apparatus as defined in claim 32~~ The method of claim 31 wherein said electrode is a metal foam electrode.

Claim 42 (currently amended): ~~An apparatus as defined in claim 32~~ The method of claim 31  
wherein said electrode is a graphite electrode.

Claim 43 (currently amended): ~~An apparatus as defined in claim 32~~ The method of claim 31  
wherein said electrode is a porous carbon electrode.

Claim 44 (currently amended): ~~An apparatus as defined in claim 32~~ The method of claim 31  
wherein said electrode is a flooded electrode.

Claim 45 (currently amended): ~~An apparatus as defined in claim 32~~ The method of claim 31  
wherein said electrode is an anode in an electrochemical device.

Claim 46 (currently amended): ~~An apparatus as defined in claim 32~~ The method of claim 31  
wherein said electrode is part of a fuel cell.

Claim 47 (currently amended): ~~An apparatus as defined in claim 32~~ The method of claim 31  
wherein said electrode is part of a reactor used to synthesize gluconic acid.

Claim 48 (currently amended): ~~An apparatus as defined in claim 32~~ The method of claim 31  
wherein said electrode is part of a glucose sensor.